

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 10/749,962 Confirmation No. 2164

Applicants : Chandrika Govardhan et al.

Filed : December 31, 2003

TC/A.U. : 1641

Examiner : Christine J. Saoud

Docket No. : Altus-4 Customer No. : 1473

For : HUMAN GROWTH HORMONE CRYSTALS AND

METHODS FOR PREPARING THEM

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Date of Deposit: January 11, 2005

I hereby certify that this certification and the following papers and fees:

- Transmittal Letter (in duplicate);
- 2. Information Disclosure Statement under 37 C.F.R.
 §§ 1.56 and 1.97(b);
- Form PTO/SB/08A (in duplicate);
- 4. 33 cited documents; and
- 5. Postcard Receipt

are being deposited with the United States Postal Service "EXPRESS MAIL POST OFFICE TO ADDRESSEE" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to Mail Stop Amendment, Hon. Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22813-1450.

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Mail Stop Amendment January 11, 2005

Commissioner for Patents New York, New York 10020

P.O. Box 1450

Alexandria, VA 22313-1450

TRANSMITTAL LETTER FOR INFORMATION DISCLOSURE STATEMENT

Sir:

Transmitted herewith is an Information Disclosure Statement in the above-identified application. This Statement is being submitted more than three months from the application filing date but before the mailing of a first Office Action on the merits under 37 C.F.R. § 1.97(b)(3), or a Notice of Allowance under 37 C.F.R. § 1.311, therefore it is timely without the payment of any additional fees.

The Director is hereby authorized to charge payment of any additional fees required in connection with the accompanying Information Disclosure Statement, or credit any overpayment, to Deposit Account No. 06-1075. A duplicate copy of this transmittal letter is transmitted herewith.

Respectfully submitted,

Margaret A. Pierri (Reg. No. 30,709)

Attorney for Applicants

Wendy A. Petka (Reg. No. 53,459)

Agent for Applicants

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INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.56 AND § 1.97(b)

Sir:

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), applicants, through their attorneys, make of record the following documents, copies of which are enclosed herewith*:

United States Patents and Patent Applications

4,342,832, Goeddel et al., issued August 3, 1982

4,816,568, Hamilton, Jr. et al., issued March 28, 1989

4,917,685, Viswanathan et al., issued April 17, 1990

5,633,352, Dalbøge et al., issued May 27, 1997

A completed Form PTO/SB/08A listing these documents is attached hereto.

5,654,010, Johnson et al., issued August 5, 1997 5,667,808, Johnson et al., issued September 16, 1997 5,691,169, Dalbøge et al., issued November 25, 1997 5,705,482, Christensen et al., issued January 6, 1998 5,734,026, Florin-Robertsson et al., issued March 31, 1998 5,780,599, Junker et al., issued July 14, 1998 5,788,959, Singh, issued August 4, 1998 5,849,700, Sørensen et al., issued December 15, 1998 5,849,704, Sørensen et al., issued December 15, 1998 5,981,485, O'Connor et al., issued November 9, 1999 6,022,858, Sorensen et al., issued February 8, 2000 6,066,470, Nishimura et al., May 23, 2000 6,117,984, Junker et al., issued September 12, 2000 6,267,981 B1, Okamoto et al., issued July 31, 2001 6,309,859 B1, Nishimura et al., issued October 30, 2001 6,359,118 B1, Margolin et al., issued March 19, 2002 6,376,461 B1, Igari et al., issued April 12, 2002 6,448,225 B2, O'Connor et al., issued September 10, 2002 6,541,606 B2, Margolin et al., issued April 1, 2003 2002/0009491 A1, Rothbard et al., issued January 24, 2002 2002/0142050 A1, Straub et al., issued October 3, 2002 2003/0013653 A1, O'Connor et al., issued January 16, 2003 2003/0099663 A1, Fleitmann et al., issued May 29, 2003 2004/0029777 A1, Ando et al., issued April 9, 2003

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WO 92/00998, Junker et al., published January 23, 1992
WO 94/03198, O'Connor et al., published February 17, 1994
WO 95/28174, Clark et al., published October 26, 1995
WO 96/07397 A2, Cherif-Cheikh et al., published March 14, 1996
WO 96/07399 A1, Igari et al., published March 14, 1996
WO 96/21459, Christensen et al., published July 18, 1996
WO 96/21460, Christensen et al., published July 18, 1996
WO 97/01331, Okamoto et al., published January 16, 1997
WO 99/55310, Margolin et al., published November 4, 1999
WO 01/24822 A2, Fleitmann et al., published April 12, 2001

Australian Patent

AU 686,567, O'Connor et al, issued February 12, 1998

Canadian Patent

CA 2,086,087, Junker et al., issued September 14, 1999 CA 2,147,482, Florin-Robertsson et al., issued September 23, 2003

European Patents and Application

EP 0 303 746 A1, Hamilton Jr. et al., published February 22, 1989

EP 0 540 582 B1, Junker et al., issued August 31, 1994

EP 0 652 766 B1, O'Connor et al., issued November 8, 2000

EP 0 779 806 B1, Igari et al., issued November 8, 2000

Other Documents

BENNANI-BAITI et al., "Physical Linkage of the Human Growth Hormone Gene Cluster and the Skeletal Muscle Sodium Channel a-Subunit Gene (SCN4A) on Chromosome 17," Genomics, 29, 647-652, 1995.

CHANTALAT et al., "The Crystal Structure of Wild-Type Growth Hormone at 2.5 Å Resolution," Protein and Peptide Letters, Vol. 2, 333-340, 1995.

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Applicants have attached a PTO/SB/08A Form listing these documents. Applicants request that these documents: (1) be fully considered by the Examiner during examination of this application and (2) be printed on any patent that may issue from this application. Applicants also request that a copy of Form PTO/SB/08A, as considered and initialed by the Examiner be returned with the next communication.

The Director is hereby authorized to charge payment of any fees required in connection with this Information

Disclosure Statement to Deposit Account No. 06-1075. A duplicate copy of the accompanying transmittal letter setting forth that authorization is transmitted herewith.

Respectfully submitted,

Margaret A. Pierri (Reg. No. 30,709)

Attorney for Applicants

Wendy A. Petka (Reg. No. 53,459)

Agent for Applicants

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Substitute	TOF	torm	1449/P	10

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet of 3

Complete if known					
Application Number	10/749,962				
Confirmation Number	2164				
Filing Date	December 31, 2003				
First Named Inventor	Chandrika Govardhan				
Art Unit	1641				
Examiner Name	Christine J. Saoud				
Attorney Docket Number	Altus-4				

U.S. PATENT DOCUMENTS							
Examiner initials*	Cite No.1	Document Number Number – Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
		US-4,342,832	08-03-1982	Goeddel et al.			
		US-4,816,568	03-28-1989	Hamilton, Jr. et al.			
		US-4,917,685	04-17-1990	Viswanathan et al.			
		US-5,633,352	05-27-1997	Dalbøge et al.			
		US-5,654,010	08-05-1997	Johnson et al.			
		US-5,667,808	09-16-1997	Johnson et al.			
		US-5,691,169	11-25-1997	Dalbøge et al.			
		US-5,705,482	01-06-1998	Christensen et al.			
		US-5,734,026	03-31-1998	Florin-Robertsson et al.			
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-		US-5,788,959	08-04-1998	Singh			
		US-5,849,700	12-15-1998	Sørensen et al.			
		US-5,849,704	12-15-1998	Sørensen et al.			
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		US-6,376,461 B1	04-12-2002	Igari et al.			
		US-6,448,225 B2	09-10-2002	O'Connor et al.			
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		US-2002/0142050 A1	10-03-2002	Straub et al.			
		US-2003/0013653 A1	01-16-2003	O'Conner et al.			
		US-2003/0099663 A1	05-29-2003	Fleitmann et al.			
		US-2004/0029777 A1	04-09-2003	Ando et al.			

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Examiner	•		Date	1	
Signature			Considered		

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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered.

Include copy of this form with next communication to applicant.

Applicant's unique obtain designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. *Inter Office that issued the document, by the two-letter code (WIPO Standard ST.3). *For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the script number of the patent document. *Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. *Gapticant is to place a check mark here if English language translation is attached.

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Substitu	ute for form 14	449/PT	0	Complete if known		
				Application Number	10/749,962	
INFORMATION DISCLOSURE				Filing Date	2164	
STATEMENT BY APPLICANT (use as many sheets as necessary)			-	First Named Inventor	December 31, 2003	
			LIOAIT	Art Unit	Chandrika Govardhan	
			necessary)	Examiner Name	1641	
Sheet	2	of	3	Attorney Docket Number	Altus-4	

		FORE	IGN PATENT D	OCUMENTS		
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		AU 686567	02-12-1998	O'Connor et al.		
		CA 2,086,087	09-14-1999	Junker et al.		
		CA 2,147,482	09-23-2003	Florin-Robertsson et al.		
		EP 0 303 746 A1	02-22-1989	Hamilton, Jr. et al.		
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		WO 92/00998	01-23-1992	Junker et al.		
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		WO 99/55310	11-04-1999	Margolin et al.		
		WO 01/24822 A2	04-12-2001	Fleitmann et al.		

Examiner		Date	
Signature	, , , , , , , , , , , , , , , , , , , ,	Considered	

NON PATENT LITERATURE DOCUMENTS							
Examiner initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue numbers (s), publisher, city and/or country where published	ז				
	BENNANI-BAITI et al., "Physical Linkage of the Human Growth Hormone Gene Cluster and the Skeletal Muscle Sodium Channel α-Subunit Gene (SCN4A) on Chromosome 17," <i>Genomics</i> , 29, 647-652, 1995.						
		CHANTALAT et al., "The Crystal Structure of Wild-Type Growth Hormone at 2.5 Å Resolution," <i>Protein and Peptide Letters</i> , Vol. 2, 333-340, 1995.					

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